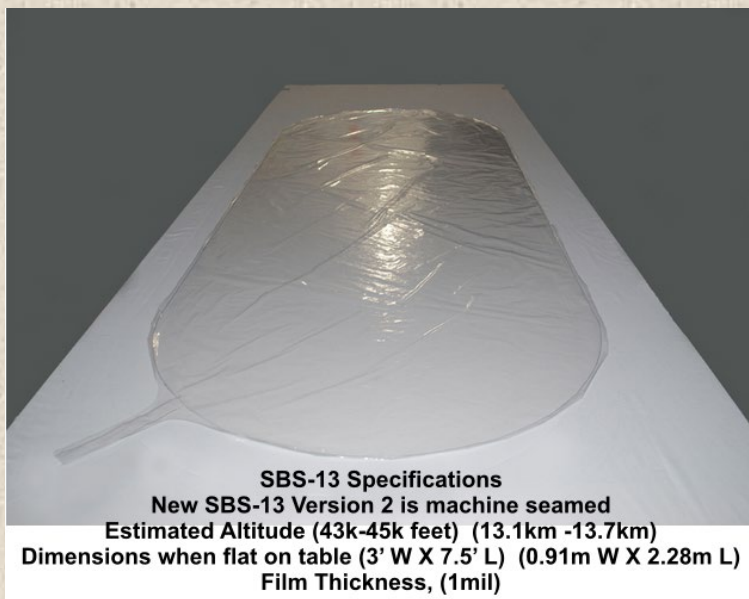


Volume 20, Issue 9, the week of 22 June 2020

HF Happenings www.sarl.org.za/hf_happenings.asp



Some of these events may not take place due to the restrictions put in place for the dreaded Lurgi-19!

June

26 to 20 – **HAM RADIOonline event**
27 - CTARC meeting
30 - End of the SARL Financial Year;
World Asteroid Day

July

1 – start of SARL Financial year and subscriptions due
4 – SARL Newbie Party
5 – ZS5 Sprint
10 to 12 – Turbine Air Festival, Johannesburg
11 – RaDAR Challenge
11 and 12 – IARU HF Championships
15 - The Battle of Delville Wood Commemoration - 15 to 20 July 1916;
SARL 80 m Wednesday Club
18 - AMSAT SA Space Symposium;
Winter QRP contest
19 – ZS2 Sprint
21 – Highway ARC meeting
25 – CTARC AGM
25 and 26 – **Islands on the Air Contest**
29 and 30 - Delta Aquarids and Alpha Capricornids meteor showers

APRS and WSPR balloon completes second circumnavigation of Earth

A balloon launched on 20 May by 'Amateur Radio Roundtable' web show host Tom Medlin, W5KUB and team has begun its third circumnavigation of Earth transmitting 144,390 MHz FM APRS and 14,0971 MHz WSPR.

The ARRL say, "The balloon, at 13 106 – 13 716 m, completed its second trip around the globe on 19 June. It crossed the Atlantic Ocean "in record time" at a speed of about 273 km/h, the balloon website reported this week.

The balloon, identified as W5KUB-18, carries APRS and WSPR amateur radio payloads. As of the afternoon of 23 June, it was heading over Uzbekistan at over 160 km/h.

As the balloon website states, the mission and goal are to launch a high-altitude balloon for long-duration and multiple trips around the world. The balloon, an SBS-13, is capable of flying up to 13 716 m. "It will be filled with hydrogen to obtain higher altitude," the website explains. "It will be solar powered only (no batteries, so it will only transmit during daylight). We will receive tracking every 10 minutes via WSPR on HF [14,0971 MHz]."

Tracking transmissions will be turned off over the UK, Yemen and North Korea due to regulations. <http://tmedlin.com/balloon-3-2/>

26.-28. Juni 2020

HAM RADIO  **online**

HAM RADIO online event 26 to 29 June

Due to the dreaded Lurgi-19 pandemic, this year's Ham Radio in Friedrichshafen had to be cancelled as so many other events worldwide but there will be a HAM RADIOonline event instead.

The DARC decided to offer instead an online event, the HAM RADIOOnline from 26 to 29 June. This online event will feature many interesting topics related to our hobby, such as operating and broadcasting technology, honours, talk groups and interviews. In charge of this online event is the Software Defined Radio Academy team and the "Fascination HAM RADIO" crew. HAM RADIOOnline will start on Friday evening 26 June (Central Europe Standard Time).

Furthermore, the event organisation company "Messe Friedrichshafen" is presenting a virtual trade fair at <https://www.hamradio-friedrichshafen.com/news/2020/virtual-fair-presents-novelties/> where exhibitors will present various product innovations. Together, the DARC and the event organizers are thus creating a virtual trade fair experience bringing the volunteers, dealers and manufacturers to your home.

HAM RADIOOnline <https://www.hamradio-friedrichshafen.com/news/2020/ham-radionline/>. The HAM RADIOOnline broadcast schedule (in German language) is available at https://www.hamradio-friedrichshafen.de/assets/projects/ham/pdf/virtuelle_Messe/HAMOnline_Sendeplan_aktuell.pdf
Thomas, DF2OO - DARC International Affairs Team

Software Defined Radio Academy 2020

This year's Software Defined Radio Academy is going to take place during the weekend of 27 and 28 June. We have now finalized the programme. Since we decided very early in March that we would organize an online strategy, we were not grounded by Corona. Using YouTube and our video conferencing system, we were able to organize a rich SDR conference with speakers from all over the world.

Since this year's European GNURadio Days conference in Besancon, France, could not take place either, we were asked to give their speakers a stage. This is the reason why we have an especially strong GNURadio focus. With such a rich programme, we decided to span the talks over two days and start in the European afternoon, so that we could give our overseas audience a chance to participate live.

The mode is this: Even though all the talks are pre-recorded, the speakers will attend in the video conferencing system and respond to questions that come in through the YouTube channel. This way we can maintain a certain degree of interaction, which is important for any kind of scientific conference.

Here is the programme - <https://2020.sdra.io/pages/programme.html> and here is our YouTube stream URL - <https://youtube.sdra.io>. We will start on 27 Saturday at 12:30 UTC +2 and on Sunday 28 June at 13:00 UTC +2.

For those of you who understand German, please note that this year's HAMRADIO conference will also go online. We have worked hard in the past two months to record 65 hours of talks and discussions. Here is the HAMRADIO programme, which the SDR is part of https://www.darc.de/fileadmin/filemounts/gs/oeffentlichkeitsarbeit/Veranstaltungen/HAMRADIO_nline/HAMOnline_Sendeplan.pdf

We would be pleased if you could distribute this invitation and possibly also publish it in the "Latest News" section of your website.

Markus Heller, DL8RDS

African DX

Contacts with stations on the African continent count towards the SARL's All Africa Award
(www.sarl.org.za/public/awards/awards.asp)

9J2LA QSL Status (19 June). We are getting first reports that direct QSL cards have reached their targets worldwide. Also, the complete log upload to LoTW has taken place! A huge thanks to our QSL Manager Charles, M0OXO for taking care of it.

African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



IOTA News. Since no or few new IOTA announcements have been made during the past several weeks (probably because of many Lurgi-19 travel restrictions), here is a list of IOTA operations that were active this past week between 14 and 20 June (as per the DXCluster):

AF-004	EA8DHV	Tenerife	20 m; CW
AF-004	EA8TL	Tenerife	20 m; CW
AF-004	EA8WU	Canary	20 m; FT8
AF-016	FR1GV	Reunion	17 m; FT8
AF-018	IH9YMC	Pantelleria	20 m; SSB

IARU HF Championship

Joe, OZ0J, and Bob, N6TV, are at it again - they are gathering a list of Headquarter Multiplier stations for the upcoming IARU HF Championship contest in July and formatting the list into call history formats used by various logging programs. When used with contest loggers that support a call history file, it could save typing. Joe is accepting changes and corrections to 2020's IARU list at contest@oz0j.dk. Bob will be "reformatting and distributing this data as HQ station pre-fill files in multiple formats compatible with N1MM LOGGER+, WRITELOG, WIN-TEST, DXLOG.NET, TR4W, SKOOKUM LOGGER and UCXLOG. Download itu.zip from <https://bit.ly/itudtb>, which will be updated frequently. Installation instructions and test procedures are documented in the Readme.txt file inside the Zip." According to VE2FK, N1MM LOGGER+ users will be able to use the auto-download feature of that program to download it as IARU_2020.txt from the N1MM LOGGER+ website.

Remember - it is not good practice to use a call history file to guess at call signs that you are unsure you have copied correctly.

Setup of a CW paddle

Rick, WW1ME, writes in regard to the conventional setup of a CW paddle: "The right-hand lever is the 'dah' if you are right-handed. For lefties, it is just the opposite. Most keyers/radios will let you change the keyer 'sense' for RH or LH. I recall back in the day, too, that all MFJ keyers were wired for the wrong sense, so when you plugged in your paddle, it was set for a lefty. If you used that paddle with other devices, that could be a real issue. Otherwise, you'd have to swap the wires." Another temporary means of sending with a paddle that is opposite of what you are used to is to turn it around and reach over the paddle for the levers. Awkward, but the technique works for a limited amount of sending.

CW Contest Trainer

Ray, G4FON, has written a program entitled CW Contest Trainer and has made it available on his website <http://www.g4fon.net/>. His program supports a number of contests, including CQ WPX, CQ WW, IOTA, ARRL Field Day, ARRL Sweepstakes, CW Ops CWT, NAQCC, and SKCC. The free version on his website is limited in operation but can be upgraded for a fee.

Windows updates

Recent Windows updates may have jumbled sound and com port driver orders, depending on your configuration. If your computer was updated recently, now might be a good time to check that all of your sound devices are what you think they are, and that COM ports work as intended with your installed software, versus in the hours just before a contest that requires those ports.

Tune a reflector for a two-element vertical parasitic array

Steve, VE6WZ, has made a YouTube video of how he tunes a reflector for a two-element vertical parasitic array, specifically for his 160-meter parasitic array that uses his shunt-fed tower as a driver <https://youtu.be/2DcvmGPLdT0>. Steve's video shows the theory behind his method using a two-element Yagi to demonstrate mutual coupling between a driven element and a parasitic element using a NanoVNA. He goes on to model the relationship between feed point *real* resistance (not reactance) and gain characteristics using 4NEC2. He then applies this to describe how he tunes 40-, 80-, and 160-meter antennas. The video's YouTube page also has links to papers on the design aspects of his two-element Yagis and verticals <https://www.youtube.com/watch?v=2DcvmGPLdT0&feature=youtu.be>.

How to use a NanoVNA

Alan, W2AEW just published a 6-minute video on how to use a NanoVNA for various antenna-oriented tasks <https://www.youtube.com/watch?v=xa6dqx9udcg>. Sure, you could figure this out from the manual(s), however it is easier to watch someone do it.

Operating Tip

After A Contest, Send in the Log Immediately. As soon as you can after the contest, send in your log to the contest sponsors. Your log is what you copied during the contest; no changes are necessary. With the contest over, the log should be ready to send. Generate the Cabrillo file, and submit it via email or the contest sponsor's website. With most major contests moving to shortened submission periods, it is all too easy to forget about it and miss the log submission deadline.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 22 to 29 June 2020

Run for the Bacon QRP Contest
23:00 UTC 21 June to 01:00 UTC 22 June
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Band; All Band
Max power: 5 Watts
Exchange: RST, state, province or country and member no or power
Work stations: Once per band
QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent
Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members worked
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 28 June 2020
E-mail logs to: (none)
Upload log at:
<http://qrpcontest.com/pigrun/autolog.php>

Mail logs to: (none)
Find rules at: <http://qrpcontest.com/pigrun/>

RSGB Hope CW QSO Party
08:30 UTC-10:00 UTC 22 June
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high
Max power: HP: >100 W; LP: 100 W; QRP: 10 W
Exchange: RST and serial no
QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m
Multipliers: Each DXCC country once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23:59 UTC 23 June 2020

E-mail logs to: (none)

Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl

Mail logs to: (none)

Find rules at:

www.rsgbcc.org/hf/rules/2020/rhqp.shtml



Worldwide Sideband Activity Contest

01:00 - 01:59 UTC 23 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: Single Op - QRP, low or high; Overlay:

Youth (26 years old or younger); Youth YL

(female 26 years old or younger); YL (female older than 26 years)

Max power: HP: 1 500 Watts; LP: 100 Watts;

QRP: 5 Watts

Exchange: RS and age group (OM, YL, Youth YL or Youth)

Work stations: Once per band

QSO Points: 1 point per QSO with OM; 5 points per QSO with YL; 10 points per QSO with Youth;

15 points per QSO with Youth YL

Multipliers: Each DXCC once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 01:59 UTC 24 June 2020

E-mail logs to: logs@wwsac.com

Mail logs to: (none)

Find rules at: wwsac.com/rules.html

RSGB Hope FT4 QSO Party

10:00 UTC-11:30 UTC 23 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: FT4

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 W; LP: 100 W; QRP: 10 W

Exchange: 4-character locator (shame, it cannot handle more!)

QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each 4-character grid square once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 24 June 2020

E-mail logs to: (none)

Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl

Mail logs to: (none)

Find rules at:

www.rsgbcc.org/hf/rules/2020/rhqp.shtml

RTTYOPS Week Sprint

17:00 - 19:00 UTC 23 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20 m

Classes: Single Op

Max operating hours: 2 hours

Exchange: other station's call, your call, serial no and your name

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 30 June 2020

E-mail logs to: rtty-week-tuesday@nrmlcontest.no

Mail logs to: (none)

Find rules at:

<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week-Sprint/>

SKCC Sprint

00:00 - 02:00 UTC 24 June

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)
 Exchange: RST, state, province or country, name and SKCC no or power
 Work stations: Once per band
 QSO Points: (see rules)
 Multipliers: Each state, province, or country once
 Score Calculation: Total score = (total QSO points x total mults) and bonus points
 Submit logs by: 23:59 UTC 26 June 2020
 E-mail log summary to: (none)
 Post log summary at:
www.skccgroup.com/operating_activities/weekday_sprint/submit-display.php
 Mail logs to: (none)
 Find rules at:
www.skccgroup.com/operating_activities/weekday_sprint/

Phone Fray
 02:30 - 03:00 UTC 24 June
 Geographic Focus: North America
 Participation: Worldwide
 Mode: SSB
 Bands: 160, 80, 40, 20, 15 m
 Classes: Single Op
 Max power: 100 Watts
 Exchange: NA: Name and state, province or country; non-NA: Name
 Work stations: Once per band
 QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
 Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 03:00 UTC 26 June 2020
 E-mail logs to: (none)
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at:
www.perluma.com/Phone_Fray_Contest_Rules.pdf

RSGB Hope SSB QSO Party
 11:30 UTC-13:00 UTC 24 June
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: SSB

Bands: 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 W; LP: 100 W; QRP: 10 W
 Exchange: RST and serial no
 QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m
 Multipliers: Each DXCC country once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 23:59 UTC 25 June 2020
 E-mail logs to: (none)
 Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
 Mail logs to: (none)
 Find rules at:
www.rsgbcc.org/hf/rules/2020/rhqp.shtml



CWops Mini-CWT Test
 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 June and 03:00 - 04:00 UTC 25 June
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 Watts; LP: 100 Watts; QRP: 5 Watts
 Exchange: Member: Name and member no; non-Member: Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each call once
 Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 27 June 2020
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: <https://cwops.org/cwops-tests/>

QRP Fox Hunt

01:00 - 02:30 UTC 25 June
Geographic Focus: United States
Participation: Worldwide
Mode: CW
Bands: 20 m Only
Classes: Single Op - fox or hound
Max power: 5 Watts
Exchange: RST, state, province or country, name and power output
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 02:30 UTC 26 June 2020
E-mail logs to: (see rules)
Mail logs to: (none)
Find rules at:
www.qrpfoxhunt.org/summer_rules.htm



RSGB Hope CW QSO Party
13:00 - 14:30 UTC 25 June
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high
Max power: HP: >100 W; LP: 100 W; QRP: 10 W
Exchange: RST and serial no
QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each DXCC country once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 23:59 UTC 26 June 2020
E-mail logs to: (none)
Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
Mail logs to: (none)
Find rules at:
www.rsgbcc.org/hf/rules/2020/rhqp.shtml

RTTYOPS Week Sprint

17:00 - 19:00 UTC 25 June
Geographic Focus: Worldwide
Participation: Worldwide
Mode: RTTY
Bands: 80, 40, 20 m
Classes: Single Op
Max operating hours: 2 hours
Exchange: other station's call, your call, serial no and your name
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 23:59 UTC 2 July 2020
E-mail logs to: rtty-week-thursday@nr1contest.no
Mail logs to: (none)
Find rules at:
<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-Week-Sprint/>

RSGB 80 m Club SSB Championship

19:00 - 20:30 UTC 25 June
Geographic Focus: United Kingdom
Participation: Worldwide
Awards: United Kingdom
Mode: SSB
Bands: 80 m Only
Classes: (none)
Exchange: RS and serial no
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: (see rules)
Submit logs by: 23:59 UTC 26 June 2020
Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
Mail logs to: (none)

Find rules at:

www.rsgbcc.org/hf/rules/2020/r80_mcc.shtml

NCCC RTTY Sprint

01:45 - 02:15 UTC 26 June

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 28 June 2020

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at:

www.ncccsprInternationalcom/rttyns.html

NCCC Sprint

02:30 - 03:00 UTC 26 June

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 28 June 2020

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at:

www.ncccsprInternationalcom/rules.html

RSGB Hope RTTY QSO Party

14:30 UTC-16:00 UTC 26 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 W; LP: 100 W; QRP: 10 W

Exchange: RST and serial no

QSO Points: 1 point per QSO with station on same continent on 80, 40 or 20 m; 2 points per QSO with station on same continent on 15 or 10 m; 3 points per QSO with station on

different continent on 80, 40 or 20 m; 6 points per QSO with station on different continent on 15 or 10 m

Multipliers: Each DXCC country once per band

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 23:59 UTC 27 June 2020

E-mail logs to: (none)

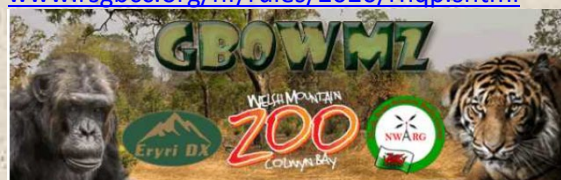
Upload log at: [www.rsgbcc.org/cgi-](http://www.rsgbcc.org/cgi-bin/hfenter.pl)

[bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)

Mail logs to: (none)

Find rules at:

www.rsgbcc.org/hf/rules/2020/rhqp.shtml



UFT QRP Contest

06:00 UTC-09:00 UTC and 14:00 - 17:00 UTC 27 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP or high

Max power: HP: >5 Watts; QRP: 5 Watts

Exchange: Member: RST, QRP/QRO and UFT

member no; non-member: RST, QRP/QRO and "NM"

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each UFT member once per band;

Each QSO with F8UFT once per band

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 27 July 2020

E-mail logs to: f6cel@orange.fr

Mail logs to: Ghislain Barbasson, 5, rue de l'Ecluse, F-02190 Pignancourt, France

Find rules at: www.uft.net/reglement/eng.pdf

Ukrainian DX DIGI Contest

12:00 UTC 27 June to 12:00 UTC 28 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY, PSK63

Bands: 80, 40, 20, 15, 10 m

Classes: SOAB - low or high; SOSB - low or high;

MOMB

Max power: HP: >100 W; LP: 100 W

Exchange: UR: RST and 2-letter Oblast; non-UR: RST and QSO no

Work stations: Once per band per mode

QSO Points: (see rules)

Multipliers: Each DXCC country once per band per mode; Each oblast once per band per mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 28 July 2020

E-mail logs to: urdigi@izmail-dx.com

Mail logs to: (none)

Find rules at: www.izmail-dx.com/



His Majesty the King of Spain SSB Contest

12:00 UTC 27 June to 12:00 UTC 28 June

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP, low or high;

Single Op Single Band; Multi-Op - low or high

Max power: HP: >100 Watts; LP: 100 Watts;

QRP: 5 Watts

Exchange: EA: RS and province; non-EA: RS and serial no

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each EA province once per band;

Each EADX100 entity once per band; Each

special (EA0) station once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 July 2020

E-mail logs to: (none)

Upload log at:

<http://concursos.ure.es/en/logs/>

Mail logs to: (none)

Find rules at: <http://concursos.ure.es/en/s-m-el-rey-de-espana-ssb/bases/>

RTTYOPS Weekend Sprint

16:00 UTC-19:59 UTC 27 June

Geographic Focus: Worldwide

Participation: Worldwide

Mode: RTTY

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op (Wires Only); Single Op

Multi-Band; Single Op Portable; Single Op

Mobile; Multi-Op (Max 2 ops due to the

dreaded Lurgi-19)

Max operating hours: 4 hours

Exchange: other station's call, your call, serial

no, your name and 6-character grid locator

Work stations: Once per band

QSO Points: 1 point per km between stations;

500 points bonus if new 4-character locator

Multipliers: (none)

Score Calculation: Total score = total QSO points and bonus points

Submit logs by: 23:59 UTC 4 July 2020

E-mail logs to: rtty-weekend@nrrlcontest.no

Mail logs to: (none)

Find rules at:

<https://rttyops.wordpress.com/rtty-mini-contests/rttyops-weekend-sprint/>

ARRL Field Day

18:00 UTC 27 June to 21:00 UTC 28 June

Geographic Focus: North America

Participation: Worldwide

Mode: All

Bands: All, except 60, 30, 17, 12 m

Classes: A: Club/non-club portable; B: One/two

person portable; C: Mobile; D: Home; E: Home-

emergency power; F: EOC

Max power: HP: >150 Watts; LP: 150 Watts;

QRP: 5 Watts

Exchange: W/VE: Number of transmitters (see rules), Operating class and ARRL/RAC section;

DX: Number of transmitters (see rules),

Operating class and "DX"

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO

Bonus Points: see rules

Multipliers: (none)

Score Calculation: Total score = total QSO points and bonus points

Submit logs by: 20:59 UTC 28 July 2020

Post log summary at: field-day.arrl.org

Mail logs to: Field Day Entries, 225 Main St., Newington, CT 06111, USA

Find rules at: www.arrl.org/field-day



10-10 International Spirit of 76 QSO Party
 00:01 UTC 29 June to 24:00 UTC 5 July
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW, SSB, PSK31, RTTY, FM, AM
 Bands: 10 m Only
 Classes: Low Power; High Power; Club; Mobile
 Max power: HP: >150 Watts; LP: 150 Watts;
 QRP: 5 Watts
 Exchange: 10-10 Member: Name, 10-10
 number and state, province or country; Non-
 Member: Name, 0 and state, province or
 country
 Work stations: Once per mode
 QSO Points: 1 point per QSO with a non-
 member; 2 points per QSO with a 10-10
 member
 Multipliers: (none)
 Score Calculation: Total score = total QSO
 points
 Submit logs by: 13 July 2020

E-mail logs to: dbmorris315@gmail.com
 Mail logs to: Dan Morris, KZ3T, 3162 Covington
 Way, Lenoir, NC 28645, USA
 Find rules at: www.ten-ten.org/Forms/Spirit.pdf

QCX Challenge: 13:00 - 14:00 UTC and 19:00 -
 20:00 UTC 29 June and 03:00 - 04:00 UTC 30
 June
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op
 Max power: HP: >5 Watts; QRP: 5 Watts
 Exchange: RST, name, state, province or
 country and Rig
 Work stations: Once per band
 QSO Points: 3 points per QSO with QCX station;
 1 point per QSO with non-QCX station
 Multipliers: (none)
 Score Calculation: Total score = total QSO
 points
 Submit logs by: 04:00 UTC July 7, 2020
 Post log summary at: www.3830scores.com
 Mail logs to: (none)
 Find rules at: www.grp-labs.com/party.html

FocusEntry

N1MM LOGGER+ version 1.0.8481 added a new field, "FocusEntry," to the Radio Info UDP Packet to allow external programs to better control the operation of the logging program <https://n1mmwp.hamdocs.com/appendices/external-udp-broadcasts/>. An example might be to have an external program send message keys to an entry window to initiate a CQ.

Quality fasteners for antenna work

In response to a query about where to purchase quality fasteners for antenna work, Mike, K6MKF, responded to the Elecraft Reflector with this advice: "Keep in mind that there are different classes of stainless steel fasteners with different properties and ratings. A good start for this info: <https://www.fastenermart.com/understanding-fastener-grades-and-classes.html>. I was advised to use Class 6 fasteners for my tower and antenna projects."

NODE RED

NODE RED has been mentioned in the CONTEST UPDATE in the past as a potential way to control equipment or automate tasks. Here's an [overview article from ELEKTOR](#) on how it can be set up and used with some very basic Raspberry Pi hardware, along with example usage scenarios.

Next Week's Contests

10-10 International Spirit of 76 QSO Party, 00:01 UTC 29 June to 24:00 UTC 5 July

Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 30 June
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 30 June
 RAC Canada Day Contest, 00:00 - 23:59 UTC 1 July
 Phone Fray, 02:30 - 03:00 UTC 1 July
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 1 July and 03:00 - 04:00 UTC 2 July
 QRP Fox Hunt, 01:00 - 02:30 UTC 2 July
 NRAU 10 m Activity Contest, 18:00 - 19:00 UTC (CW) and 19:00 - 20:00 UTC (SSB) and 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC 2 July (Dig)
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 2 July
 SKCC Sprint Europe, 19:00 - 21:00 UTC 2 July
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 3 July
 NCCC Sprint, 02:30 - 03:00 UTC 3 July
 FISTS Summer Slow Speed Sprint, 00:00 - 04:00 UTC 4 July
 YBDXC 80 m Contest, 09:00 UTC 4 July to 08:59 UTC 5 July
 DL-DX RTTY Contest, 11:00 UTC 4 July to 10:59 UTC 5 July
 Marconi Memorial HF Contest, 14:00 UTC 4 July to 14:00 UTC 5 July
 Original QRP Contest, 15:00 UTC 4 July to 15:00 UTC 5 July
 PODXS 070 Club 40 m Firecracker Sprint, 20:00 UTC 4 July to 20:00 UTC 5 July
 RSGB 80 m Club CW Championship, 19:00 - 20:30 UTC 6 July
 ARS Spartan Sprint, 01:00 - 03:00 UTC 7 July
 Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 7 July
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 7 July

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter

